

SOUPLETHANE 5 COR

Two-component solvent free resin providing a continuous and pinhole free liquid membrane for waterproofing, corrosion protection or floor coating. Applicable manually (brush, roller) or by airless spray equipment

AREAS OF USE : BUILDINGS & FACILITIES

CHEMICAL RETENTIONS

CHARACTERISTICS

Chemical nature	Polyurea-urethane	Mixing ratio	2 / 1 in volume
Solvent free	100 % solids - odourless	Density (at 20°C)	1.1 g / ml (mixture A+B)
Flash points	≥ 200°C (components A & B)	Pot life	20 min
UV resistance	no chalking	Fire rating	Bfl-S1
Elongation at strength	65 %	Tensile Strength	22 MPa
Compression strength	113 MPa	Bond strength on concrete	without primer ≥ 2 MPa with primer ≥ 3.5 MPa
Resistance to provoked cracks (4.9 mm at 23°C / 2.7 mm at -5°C) and ability to crack bridging		Resistance to the diffusion of Chloride ions (diffusion coefficient : ≤ 10 ⁻¹⁴ m ² .s ⁻¹)	
Resistance to hydrolysis : up to 95°C		Resistance to backpressure : up to 10 bars	
Chemical resistance (cleaning agents, bleach, acids, bases (1 ≤ pH ≤ 14), ...)		No development of bacteria or fungi contamination	
Water permeability : nil		No shrinkage	

SURFACE PREPARATION	<ul style="list-style-type: none"> . All surfaces must be dry, clean and free from contamination according to DTU 21 (Execution of concrete structures) . Sandblasting or grinding with dust removal may be used to produce a sound surface with adequate profile. . In case of uneven concrete surface (blow holes, surface imperfections), recommended rendering with a mortar based on KEMIPOX (1 volume of KEMIPOX with 2 volumes of controlled dry clean silica (0.4/0.8)) . On metallic substrates, sand blasting (controlled roughness (50-100 µm) and cleanliness (Sa 2.5 mini)) . On old coatings, removal of the non adhering spots and light surface sanding 	
OPTIONAL PRIMER APPLICATION	<p>Required primer on metallic substrate</p> <ul style="list-style-type: none"> . Application of PU AQUEUX primer with a roller (150 gr per sqm), compatible with wet surfaces . Let it dry for 12 hours before the application of the SOUPLETHANE 5 resin <p>Required primer on metallic substrate : Application of Souplethane UR5 on metallic surfaces (steel, aluminium) with a brush or roller (400 - 500 gr per sqm)</p> <p><i>In case of rehabilitation on old coatings, no primer required - only light surface sanding and dedusting</i></p>	
APPLICATION CONDITIONS	<ul style="list-style-type: none"> . Substrate temperature : -20°C < T° > +70°C and 3°C above the Dew point . Relative humidity rate : < 95% 	
APPLICATION of SOUPLETHANE 5	<p>Chemical retentions - <u>coating thickness</u> : 2 mm (ca. 2.5 kg/ sqm)</p> <p>this thickness recommendation may vary depending on the environment (nature of the liquids, temperature, ...) - to consult us</p>	
TREATMENT OF SINGULAR POINTS	<p>floor/wall angles, duct passages, ...</p> <p><i>See back page dedicated to the management of such singular points</i></p>	
QUALITY CONTROL tests recommended	<ul style="list-style-type: none"> . Visual control (uniform colour, no blistering, no soft areas, no adhesion loss, ...) . Holiday testing with a spark detector at 3 kV (no porosity allowed) 	<ul style="list-style-type: none"> . Coating thickness . Shore A / D Hardness . Adhesion (pull-off test)
FINISHES	Not required	